

AMENDMENTS TO THE CLAIMS

1-26. (Cancelled)

27. (Withdrawn) A heat resistant laminated conveyor belt comprising:

a belt core layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluoro-resin dispersion, then dried and sintered and

a surface layer formed on said belt core layer via an adhesive layer comprising a fluoro-resin film,

said surface layer having a fabric structure including an element wire or wires comprising a ferrous metal or

said surface layer having a structure in which said element wire or wires are arranged together.

28. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 27, wherein said ferrous metal is selected from iron steel, carbon steel or stainless steel.

29. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 27, wherein said heat resistant non-metallic fiber substrate is selected from at least one of a glass fiber, carbon fiber, aramide fiber, aromatic allylate fiber or polyparaphenylenebenzobisoxazole (PBO) fiber.

30. (Withdrawn) A heat resistant laminated conveyor belt as claimed in Claim 27, wherein said adhesive layer is a resin film layer selected from a polytetrafluoroethylene (PTFE) resin, denatured polytetrafluoroethylene (denatured PTFE) resin, tetrafluoroethylene hexafluoropropylene copolymer (FEP) resin, tetrafluoroethylene perfluoroalkoxyethylene copolymer (PFA) resin, ethylene tetrafluoroethylene copolymer (ETFE) resin or ethylene chlorotrifluoroethylene copolymer (ECTFE) resin.

31. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 27, wherein said surface layer having the fabric structure including the element wire or wires or having the structure in which the element wire or wires are arranged together is a plurality of layers laminated one on another via an adhesive layer or layers.

32. (Withdrawn) A heat resistant laminated conveyor belt comprising:
a belt core layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluoro-resin dispersion, then dried and sintered and
a surface layer formed on said belt core layer via an adhesive layer comprising a fluoro-resin film,
said surface layer having a fabric structure including an element wire or wires selected from at least one of a non-ferrous metal, inorganic compound, organic compound or carbon or
said surface layer having a structure in which said element wire or wires are arranged together.

33. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 32, wherein:
said non-ferrous metal is selected from at least one of aluminum, copper or titanium,
said inorganic compound is selected from at least one of glass, alumina, silica, alumina, silica or zirconia and
said organic compound is selected from at least one of polyetheretherketone, polyimide, polyamideimide, polyetherimide, polyphenylene sulfide or aromatic allylate.

34. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 32, wherein said heat resistant non-metallic fiber substrate is selected from at least one of a glass fiber, carbon fiber, aramide fiber, aromatic allylate fiber or polyparaphenylenebenzobisoxazole (PBO) fiber.

35. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 32, wherein said adhesive layer is a resin film layer selected from a polytetrafluoroethylene (PTFE) resin, denatured polytetrafluoroethylene (denatured PTFE) resin, tetrafluoroethylene hexafluoropropylene copolymer (FEP) resin, tetrafluoroethylene perfluoroalkoxyethylene copolymer (PFA) resin, ethylene tetrafluoroethylene copolymer (ETFE) resin or ethylene chlorotrifluoroethylene copolymer (ECTFE) resin.

36. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 32, wherein said surface layer having the fabric structure including the element wire or wires or having the structure in which the element wire or wires are arranged together is a plurality of layers laminated one on another via an adhesive layer or layers.

37. (Currently Amended) A heat resistant laminated conveyor belt comprising:
a belt core layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluororesin dispersion, then dried and sintered,
an intermediate layer laminated on said belt core layer via an adhesive layer comprising a fluororesin film,
said intermediate layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluororesin dispersion, then dried and sintered, and
a surface layer laminated on said intermediate layer via an adhesive layer comprising a fluororesin film,
said surface layer having a fabric structure including an element wire or wires comprising a ferrous metal or
said surface layer having a structure in which said element wire or wires are arranged together; and
the surface of the surface layer having a hardness corresponding to steel and having an uneven surface shape, wherein
the fabric structure of said surface layer is formed by lapping said wire or wires one on another such that a warp direction of the fabric structure is arranged in a same direction as a ~~winding length direction of the belt~~ running direction of said belt core layer.

38. (Previously Presented) The heat resistant laminated conveyor belt as claimed in Claim 37, wherein said ferrous metal is a steel selected from iron steel, carbon steel or stainless steel.

39. (Previously Presented) The heat resistant laminated conveyor belt as claimed in Claim 37, wherein said heat resistant non-metallic fiber substrate is selected from at least one of a glass fiber, carbon fiber, aramide fiber, aromatic allylate fiber or polyparaphenylenebenzobisoxazole (PBO) fiber.

40. (Previously Presented) The heat resistant laminated conveyor belt as claimed in Claim 37, wherein said adhesive layer is a resin film layer selected from a polytetrafluoroethylene (PTFE) resin, denatured polytetrafluoroethylene (denatured PTFE) resin, tetrafluoroethylene hexafluoropropylene copolymer (FEP) resin, tetrafluoroethylene perfluoroalkoxyethylene copolymer (PFA) resin, ethylene tetrafluoroethylene copolymer (ETFE) resin or ethylene chlorotrifluoroethylene copolymer (ECTFE) resin.

41. (Previously Presented) The heat resistant laminated conveyor belt as claimed in Claim 37, wherein one or both of said intermediate layer and belt core layer on the inner side of said surface layer are a plurality of layers.

42. (Withdrawn) A heat resistant laminated conveyor belt comprising:
a belt core layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluoro-resin dispersion, then dried and sintered,
an intermediate layer laminated on said belt core layer via an adhesive layer comprising a fluoro-resin film,
said intermediate layer comprising a heat resistant non-metallic fiber substrate which has been impregnated with a fluoro-resin dispersion, then dried and sintered, and
a surface layer laminated on said intermediate layer via an adhesive layer comprising a fluoro-resin film,
said surface layer having a fabric structure including an element wire or wires selected from at least one of a non-ferrous metal, inorganic compound, organic compound or carbon or

said surface layer having a structure in which said element wire or wires are arranged together.

43. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 42, wherein:

said non-ferrous metal is selected from at least one of aluminum, copper or titanium,

said inorganic compound is selected from at least one of glass, alumina, silica, alumina silica or zirconia and

said organic compound is selected from at least one of polyetheretherketone, polyimide, polyamideimide, polyetherimide, polyphenylene sulfide or aromatic allylate.

44. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 42, wherein said heat resistant non-metallic fiber substrate is selected from at least one of a glass fiber, carbon fiber, aramide fiber, aromatic allylate fiber or polyparaphenylenebenzobisoxazole (PBO) fiber.

45. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 42, wherein said adhesive layer is a resin film layer selected from a polytetrafluoroethylene (PTFE) resin, denatured polytetrafluoroethylene (denatured PTFE) resin, tetrafluoroethylene hexafluoropropylene copolymer (FEP) resin, tetrafluoroethylene perfluoroalkoxyethylene copolymer (PFA) resin, ethylene tetrafluoroethylene copolymer (ETFE) resin or ethylene chlorotrifluoroethylene copolymer (ECTFE) resin.

46. (Withdrawn) The heat resistant laminated conveyor belt as claimed in Claim 42, wherein one or both of said intermediate layer and belt core layer on the inner side of said surface layer are a plurality of layers.

47. (Withdrawn) A heat resistant laminated conveyor belt manufacturing method comprising:

a first step of forming a belt core layer by impregnating a heat resistant non-metallic fiber substrate with a fluororesin dispersion, then drying and sintering and

a second step of lapping a surface layer over said belt core layer via an adhesive layer comprising a fluoro-resin film,

said surface layer having a fabric structure including an element wire or wires made of a ferrous metal or

having a structure in which said element wire or wires are arranged together, and

bonding said surface layer together with said belt core layer by a heat sealing lamination process.

48. (Withdrawn) A heat resistant laminated conveyor belt manufacturing method comprising:

a first step of forming a belt core layer by impregnating a heat resistant non-metallic fiber substrate with a fluoro-resin dispersion, then drying and sintering and

a second step of lapping a surface layer over said belt core layer via an adhesive layer comprising a fluoro-resin film,

said surface layer having a fabric structure including an element wire or wires selected from at least one of a non-ferrous metal, inorganic compound, organic compound or carbon or said surface layer having a structure in which said element wire or wires are arranged together, and

bonding said surface layer together with said belt core layer by a heat sealing lamination process.

49. (Currently Amended) A heat resistant laminated conveyor belt manufacturing method comprising:

a first step of forming a belt core layer by impregnating a heat resistant non-metallic fiber with a fluoro-resin dispersion, then drying and sintering,

a second step of forming an intermediate layer by impregnating a heat resistant non-metallic fiber substrate with a fluoro-resin dispersion, then drying, sintering and then

lapping said intermediate layer over said belt core layer via an adhesive layer comprising a fluoro-resin film and

a third step of lapping a surface layer over said intermediate layer via an adhesive layer comprising a fluoro-resin film,

said surface layer having a fabric structure including an element wire or wires comprising a ferrous metal or

said surface layer having a structure in which said element wire or wires are arranged together, and

bonding said surface layer together with said belt core layer and intermediate layer by a heat sealing lamination process, and

the surface of the surface layer having a hardness corresponding to steel and having an uneven surface shape, and

forming the fabric structure of said surface layer by lapping said wire or wires one on another such that a warp direction of the fabric structure is arranged in a same direction as a ~~winding length direction of the belt~~ running direction of said belt core layer.

50. (Previously Presented) The heat resistant laminated conveyor belt manufacturing method as claimed in Claim 49, wherein one or both of said intermediate layer and belt core layer on the inner side of said surface layer are a plurality of layers lapped one on another via an adhesive layer or layers and then subjecting said layers to the heat sealing lamination process.

51. (Withdrawn) A heat resistant laminated conveyor belt manufacturing method comprising:

a first step of forming a belt core layer by impregnating a heat resistant non-metallic fiber substrate with a fluororesin dispersion and then drying and sintering,

a second step of forming an intermediate layer by impregnating a heat resistant non-metallic fiber substrate with a fluororesin dispersion, drying and sintering and then

lapping said intermediate layer over said belt core layer via an adhesive layer comprising a fluororesin film and

a third step of lapping a surface layer over said intermediate layer via an adhesive layer comprising a fluororesin film,

said surface layer having a fabric structure including an element wire or wires selected from at least one of a non-ferrous metal, inorganic compound, organic compound and carbon or said surface layer having a structure in which said element wire or wires are arranged together, and

bonding said surface layer together with said belt core layer and intermediate layer by a heat sealing lamination process.

52. (Withdrawn) The heat resistant laminated conveyor belt manufacturing method as claimed in Claim 51, wherein one or both of said intermediate layer and belt core layer on the inner side of said surface layer are a plurality of layers lapped one on another via an adhesive layer or layers and then subjecting said layers to the heat sealing lamination process.